

SWITCH ASSEMBLY

Abstract of the Disclosure

A switch assembly includes an actuator assembly having a slidably supported pushbutton and a switch mechanism switchable between alternate positions. The pushbutton is biased by a return spring between the pushbutton and a retainer. A pin is received within the return spring coils and engages a pivot member through an elongated opening in the retainer that allows lateral pin movement. A switch plate moves between alternate positions by contact with the pivot member and is maintained in one of the positions by a contact spring between the pivot member and plate. A spring damper in the contact spring coils limits resonating vibration. The switch assembly provides a multiple segment force input profile having first and second segments leading to the switching force with slopes according to a preferred ratio. Third and fourth segments of the input profile following the switching force define a V-shape.